

AI Hardware Solution

ACCEL-VM510

Medical AI Computing Platform with 14th Generation Intel Core I CPU



Power button

USB 2.0 x2 /
USB 3.0 x2 (optional)



Features

- Intel® 14th generation Core I Processor with Q670 chipset
- Supports DDR5 4000MHz DIMM x 4 up to 128GB
- Excellent Thermal design with low fan noise in OR room
- System is medical Certified
- Support the integration of NVidia RTX 4000 ADA, 5000 ADA GPU Card, up to 250W
- Support Built in speaker (optional)

Application

- Equipment control
- Video recording in OR room
- Medical AI Application

Specifications

MAIN SPECIFICATIONS

Processor	Intel® 14th Gen Core™ I Processor (TDP 65W)
System Memory	Supports DDR5 4000MHz DIMM x 4 up to 128GB
Chipset	Intel® Q670
OS Support	Windows® 10 , Windows® 11 , Linux (optional)
Storage Disk Drive	2.5" SATA SSD x 2, M.2 2280 NVMe SSD x 1
TPM	2.0
Speaker (Optional)	2 x 5W Built-in Speaker

I/O

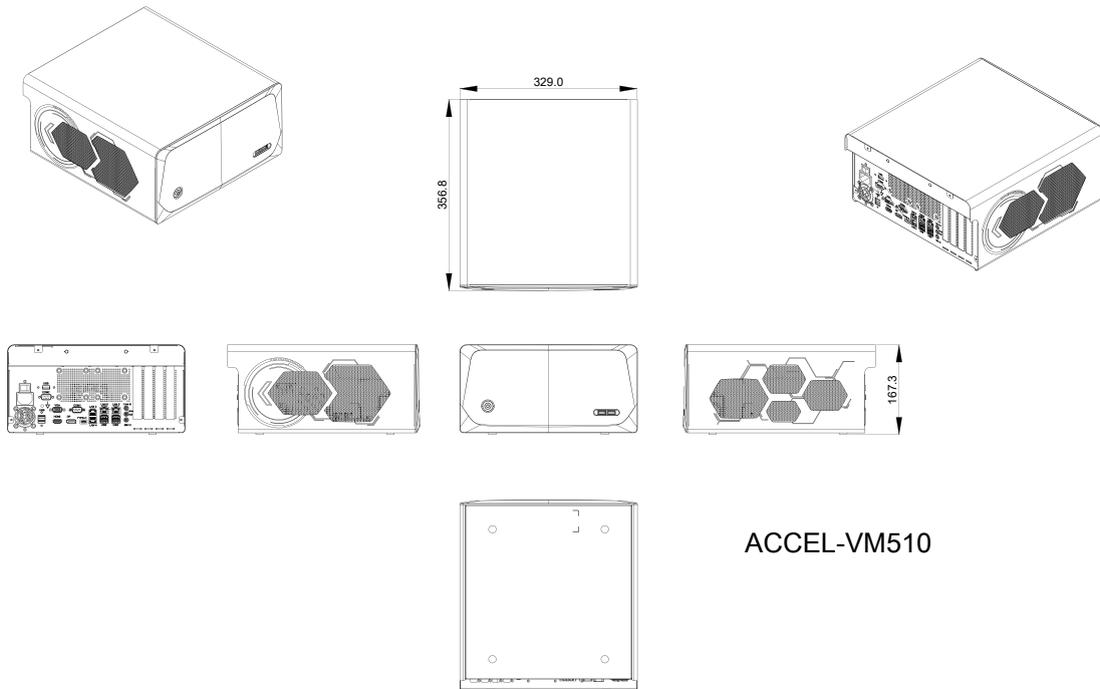
USB	Rear: USB 3.2 Gen 2 x 4, USB 3.2 Gen 1 x 1, USB 2.0 x 2, USB 3.2 Type C x 1 (5V/3A) Front USB 3.2 Gen 1 x 2
Ethernet	2.5 Gigabit LAN x 2, Gigabit LAN x 2
Video Out	HDMI x 1, DP x 1, VGA x 1
Audio	Line-in x 1, Mic-in x 1 and Line-out x 1
Ethernet	2.5 Gigabit LAN x 2, Gigabit LAN x 2
Serial Ports	RS-232 x 2
Extension area	M.2 E Key 2230 x 1 for Wireless module 2 x PCIe 5.0 slots (single at x16; dual at x8 / x8) with x16 connector, PCIe 4.0 [x4] x 1, PCIe 3.0 [x4] x 1
Capture card (optional)	4Kp60: HDMI 2.0 in FHD: HDMI x1, DVI-I x 1, YPbPr x1, SDI x1, CVBS x 1, S-Video x 1

MECHANICAL AND ENVIRONMENTAL

Power Consumption	100-240V, 900W Medical ATX PSU / Opt. 500W Medical ATX PSU for non GPU SKU
Operating Temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage Temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	330 x 357.4 x 168 mm
Package Size	500 x 490 x 300 mm
Gross Weight	8.6kg
Net Weight	6.6kg
Certifications	CE: EN 60601-1-2: 2015 + A1: 2021 (V4.1), EN 60601-1: 2007 + A1:2013 +A2:2021 (V3.2) EN 55032:2015/A1:2020 EN 55035:2017/A11:2020 (ITE) IEC 62368-1:2020+A11:2020 (ITE) FCC: Part 15B/ Part 18

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Dimension / Unit: mm



ACCEL-VM510



Ordering Information

- ACCEL-VM510-N1-A1-0010
Medical BOX PC.i9-14900.FAN.4PCIe.900W PSU
- ACCEL-VM510-N3-A1-0010
Medical BOX PC.i7-14700.FAN.4PCIe.900W PSU
- ACCEL-VM510-N4-A1-0010
Medical BOX PC.i5-14500.FAN.4PCIe.900W PSU

Optional Accessories

- 9686666685
4k HDMI capture card.2 Port.HDMI2.0
- 9686015601
Full HD PCIe Video.Capture Card. 1×HDMI, 1×DVI-I, 1×YPbPr, 1×SDI, 1×CVBS, 1×S-Video
- A50-SEC-A1
Full HD PCIe Video.Capture Card. 1×HDMI, 1×DVI-I, 1×YPbPr, 1×SDI, 1×CVBS, 1×S-Video
- A50-SPK-A2
5W Internal Speaker kit.for ACCEL-VM500
- GPU-4000ADA-01
Graphics Card.GPU memory:20GB GDDR6.
System interface:PCIe 4.0.4x DisplayPort 1.4a.
NVIDIA.RTX 4000 Ada Generation
- GPU-5000ADA-01
Graphics Card.GPU memory:32GB GDDR6.
System interface:PCIe 4.0.4x DisplayPort 1.4a.
NVIDIA.RTX 5000 Ada Generation